		Exploring Aero	onautics
		2008 Mathen	
		Curriculum Sta	andards
Tennessee Mathemat	ics		
Grade 5			
Activity/Lesson	State	Standards	
			Use mathematical ideas and processes in
			different settings to formulate patterns, analyze
Fundamentals of		MA.5.GLE	graphs, set up and solve problems and interpret
Aeronautics (145-176)	TN	0506.1.5	solutions.
			Make, record, display and interpret data and
Fundamentals of		MA.5.GLE	graphs that include whole numbers, decimals,
Aeronautics (145-176)	TN	0506.5.1	and fractions.
			Make, record, display and interpret data and
Integrating with		MA.5.GLE	graphs that include whole numbers, decimals,
Aeronautics	TN	0506.5.1	and fractions.
			Make, record, display and interpret data and
Intro to Aeronautics		MA.5.GLE	graphs that include whole numbers, decimals,
(109-123)	TN	0506.5.1	and fractions.
			Describe the shape and important features of a
Scientific Method(124-		MA.5.GLE	set of data using the measures of central
144)	TN	0506.5.2	tendency.
		Exploring Aero	
		2008 Mathen	
		Curriculum Sta	andards
Tennessee Mathemat	ics		
Grade 6			
Activity/Lesson	State	Standards	
			Use mathematical ideas and processes in
			different settings to formulate patterns, analyze
Fundamentals of		MA.6.GLE	graphs, set up and solve problems and interpret
Aeronautics (145-176)	IN	0606.1.5	solutions.
			Develop independent reasoning to communicate
Integrating with		MA.6.GLE	mathematical ideas and derive algorithms
Aeronautics	TN	0606.1.3	and/or formulas.
			Use mathematical ideas and processes in
			different settings to formulate patterns, analyze
Integrating with		MA.6.GLE	graphs, set up and solve problems and interpret
Aeronautics	TN	0606.1.5	solutions.
			Interpret representations of data from surveys
Integrating with		MA.6.GLE	and polls, and describe sample bias and how
Aeronautics	TN	0606.5.2	data representations can be misleading.
			Use mathematical ideas and processes in
			different settings to formulate patterns, analyze
Intro to Aeronautics		MA.6.GLE	graphs, set up and solve problems and interpret
(109-123)	TN	0606.1.5	solutions.
			Interpret representations of data from surveys
Intro to Aeronautics		MA.6.GLE	and polls, and describe sample bias and how
(109-123)	TN	0606.5.2	data representations can be misleading.

	1		Use mathematical ideas and processes in
			different settings to formulate patterns, analyze
Cojentific Method (124		MA.6.GLE	graphs, set up and solve problems and interpret
Scientific Method(124-	TNI		
144)	TN	0606.1.5	solutions.
0 : 1:5 NA 11 1/404			Interpret representations of data from surveys
Scientific Method(124-		MA.6.GLE	and polls, and describe sample bias and how
144)	TN	0606.5.2	data representations can be misleading.
		Exploring Aero	
		2008 Mathen	
T	•	Curriculum Sta	andards
Tennessee Mathemat	ICS		
Grade 7	04-4-	04	
Activity/Lesson	State	Standards	Use and the continue of the co
			Use mathematical ideas and processes in
		0	different settings to formulate patterns, analyze
Fundamentals of		MA.7.GLE	graphs, set up and solve problems and interpret
Aeronautics (145-176)	IN	0706.1.5	solutions.
Considerate and a larger		NAA 7 01 E	
Fundamentals of	TAI	MA.7.GLE	Select, create, and use appropriate graphical
Aeronautics (145-176)	IN	0706.5.2	representations of data.
			Formulate questions and design studies to
			collect data about a characteristic shared by two
Fundamentals of		MA.7.GLE	populations, or different characteristics within
Aeronautics (145-176)	TN	0706.5.3	one population.
		NAA 7 01 E	Used contained and one contained for standard and a contact the
M/5 (477, 000)	TAI	MA.7.GLE	Understand and use scale factor to describe the
Wings(177-208)	TN	0706.4.3	relationships between length, area, and volume.
0 : (T	MA.7.GLE	Collect, organize, and analyze both single- and
Science of Flight	TN	0706.5.1	two-variable data.
			Formulate questions and design studies to
			collect data about a characteristic shared by two
		MA.7.GLE	populations, or different characteristics within
Science of Flight	TN	0706.5.3	one population.
l			Develop independent reasoning to communicate
Integrating with		MA.7.GLE	mathematical ideas and derive algorithms
Aeronautics	TN	0706.1.3	and/or formulas.
			Use mathematical ideas and processes in
l			different settings to formulate patterns, analyze
Integrating with		MA.7.GLE	graphs, set up and solve problems and interpret
Aeronautics	TN	0706.1.5	solutions.
			Use mathematical ideas and processes in
			different settings to formulate patterns, analyze
Intro to Aeronautics		MA.7.GLE	graphs, set up and solve problems and interpret
(109-123)	TN	0706.1.5	solutions.
Intro to Aeronautics		MA.7.GLE	Collect, organize, and analyze both single- and
(109-123)	TN	0706.5.1	two-variable data.
			Formulate questions and design studies to
			collect data about a characteristic shared by two
Intro to Aeronautics		MA.7.GLE	populations, or different characteristics within
(109-123)	TN	0706.5.3	one population.

			Use mathematical ideas and processes in
			different settings to formulate patterns, analyze
Scientific Method(124-		MA.7.GLE	graphs, set up and solve problems and interpret
144)	TN	0706.1.5	solutions.
Scientific Method(124-		MA.7.GLE	Collect, organize, and analyze both single- and
144)	TN	0706.5.1	two-variable data.
Scientific Method(124-		MA.7.GLE	Select, create, and use appropriate graphical
144)	TN	0706.5.2	representations of data.
			Formulate questions and design studies to
			collect data about a characteristic shared by two
Scientific Method(124-		MA.7.GLE	populations, or different characteristics within
144)	TN	0706.5.3	one population.
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		Exploring Aero 2008 Mathen	
		Curriculum Sta	
Tennessee Mathemat	ire	Curriculum Sta	aliudi us
Grade 8			
Activity/Lesson	State	Standards	
			Develop independent reasoning to communicate
Integrating with		MA.8.GLE	mathematical ideas and derive algorithms
Aeronautics	TN	0806.1.3	and/or formulas.
			Use mathematical ideas and processes in
			different settings to formulate patterns, analyze
Integrating with		MA.8.GLE	graphs, set up and solve problems and interpret
Aeronautics	TN	0806.1.5	solutions.
			Use mathematical ideas and processes in
			different settings to formulate patterns, analyze
Intro to Aeronautics		MA.8.GLE	graphs, set up and solve problems and interpret
(109-123)	TN	0806.1.5	solutions.
			Use mathematical ideas and processes in
O-1		NAA 0 01 E	different settings to formulate patterns, analyze
Scientific Method(124-	TAI	MA.8.GLE	graphs, set up and solve problems and interpret
144)	TN	0806.1.5	solutions.
			Select, create, and use appropriate graphical
Cojentific Method/101		MA.8.GLE	representations of data (including scatterplots
Scientific Method(124-144)	TN	0806.5.2	with lines of best fit) to make and test conjectures.
144)	I IN	0000.5.2	journjectures.